

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_15



G&G filtration CZ, s.r.o.

A Hrubínova 1903/9, 66451 Šlapanice, CZ
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ITEM1

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Type and characteristics of the requested machine				performance on		Outlet		
Flow rate	12000 [m3/h]	Capacity (Normal)			11181 [Nm3/h]			
Total pressure	2500 [Pa]	Static pressure						
Working fluid temperature	20 [°C]	Fluid specific weight			1.204 [Kg/m3]			
Installation altitude	0 asl [m]	Specific weight std (20 [°C], 0 asl [m])			1.204 [Kg/m3]			
Suggested model and effective characteristics				performance on		Outlet		
Model	RM 800R/4-I	Execution	E04	Installation Type	A (free inlet and outlet)			
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		1460 [rpm]		
Total pressure	2296	2296 [Pa]		Orientation		RD 0		
Static pressure	2216	2216 [Pa]		Sound power LwA		103.34 [dB(A)]		
Flow rate	12000	12000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		90.04 [dB(A)]		
Capacity (Normal)	11181	11181 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB			
Power dem. at shaft	10.346	10.346 [kW]		Fan efficiency	Outlet	73.99 %		
Motor power demand	10.346	10.346 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	
Code	160L04-50/std3	shape	B3	Efficiency	92.1	92.3	91.5	17.0 kgm ²
Rated power	15.0 [kW]	n° poles	4	rpm	1475			PD ² needed 16.66 kgm ²
				Load	100%	75%	50%	PD ² motor 43.2 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes				
Efficiency grade	64	N	68.4	Total efficiency	68.49 %			
Impeller type	backward blades	Type of test	B/total	Flow rate	13137.64 [m3/h]	Pressure	2108 [Pa]	
NOTE	Performance on Outlet RM 800R/4-I - E04 - D=0.77[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.							
Rpm Limit	<=60 °C: 2000 Rpm							
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated								

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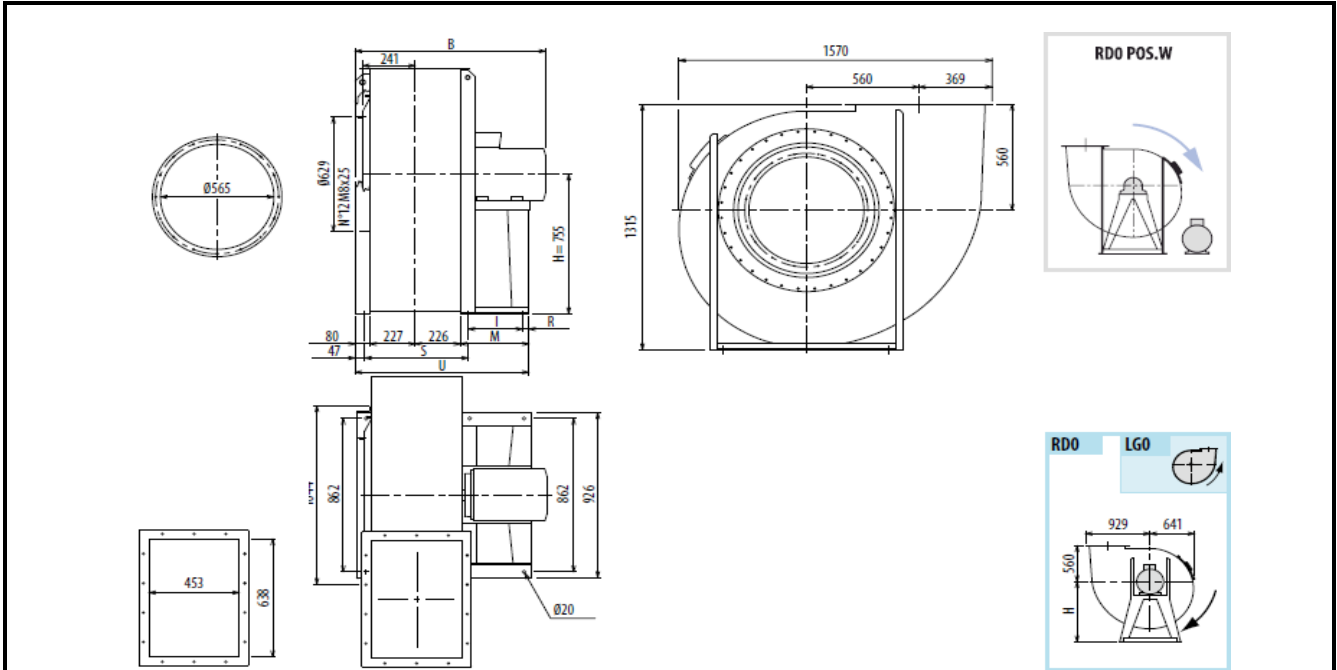
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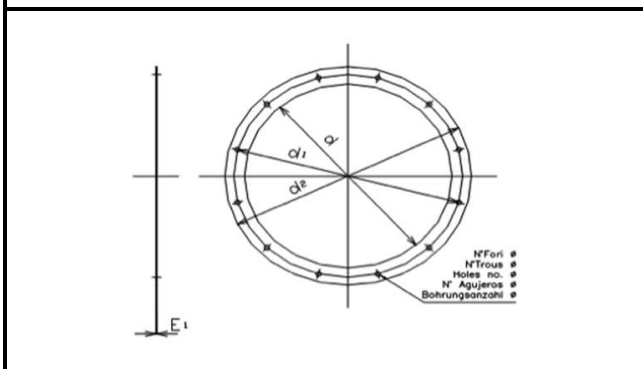
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

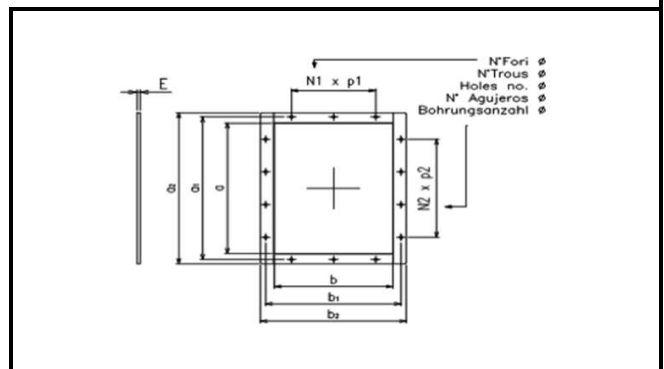
B	I	H	H1	H2	R	S	M	U	PD2	kg		
1011	315	755	560	950	60	546	436	968	17	504		



Cod	dxn°	d1	d2	Φ	E1
0565 A	565x12	629	665	14	4

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Cod	axb	a1	b1	a2	b2
0638x0453	638x453	698	513	738	553

N1xp	N2xp	n°	Φ	E	
2x160	3x160	14	14	4	

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